

## Type ES and EL thermal insulation boards

### Thermal insulation board type ES

Cover panel	Fibre cement board, 5 mm
<b>Thermal insulation</b>	<b>Expanded rigid polystyrene foam (EPS), 15 kg/m<sup>3</sup>, 50–180 mm</b>
Bonding	Water-resistant D3 (EN 204-D3)
Surface	Light-coloured, cement grey fibre cement board, untreated (can be coated with dispersion paint)
Edge milling	Dovetail grooves in the surface of the thermal insulation for anchoring in the concrete Circumferential groove and tongue joint in the thermal insulation
Format	1180 × 610 mm (0.719 m <sup>2</sup> )

<b>Element thickness</b>	<b>mm</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>
Thickness cover panel	mm	5	5	5	5	5	5	5
Thickness thermal insulation	mm	50	60	70	80	90	100	110
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.667</b>	<b>0.567</b>	<b>0.494</b>	<b>0.437</b>	<b>0.392</b>	<b>0.355</b>	<b>0.325</b>
Weight	kg/pc.	6.3	6.4	6.5	6.6	6.7	6.8	6.9
<b>Delivery</b>	Delivery of exact quantity on single-use pallets wrapped with stretch film							
Number of boards per pallet	Pcs.	64	56	48	44	40	36	32
m <sup>2</sup> per pallet	m <sup>2</sup>	46.1	40.3	34.6	31.7	28.8	25.9	23.0

<b>Element thickness</b>	<b>mm</b>	<b>125</b>	<b>135</b>	<b>145</b>	<b>155</b>	<b>165</b>	<b>175</b>	<b>185</b>
Thickness cover panel	mm	5	5	5	5	5	5	5
Thickness thermal insulation	mm	120	130	140	150	160	170	180
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.299</b>	<b>0.277</b>	<b>0.259</b>	<b>0.242</b>	<b>0.228</b>	<b>0.215</b>	<b>0.203</b>
Weight	kg/pc.	7.0	7.2	7.3	7.4	7.5	7.6	7.7
<b>Delivery</b>	Delivery of exact quantity on single-use pallets wrapped with stretch film							
Number of boards per pallet	Pcs.	28	28	24	24	20	20	20
m <sup>2</sup> per pallet	m <sup>2</sup>	20.2	20.2	17.3	17.3	14.4	14.4	14.4

## Thermal insulation board type EL

Cover panel	Fibre cement board, 5 mm
<b>Thermal insulation</b>	<b>Expanded rigid polystyrene foam with graphite additive (EPS lambda), 20 kg/m<sup>3</sup>, 50–180 mm</b>
Bonding	Water-resistant D3 (EN 204-D3)
Surface	Light-coloured, cement grey fibre cement board, untreated (can be coated with dispersion paint)
Edge milling	Dovetail grooves in the surface of the thermal insulation for anchoring in the concrete Circumferential groove and tongue joint in the thermal insulation
Format	1180 × 610 mm (0.719 m <sup>2</sup> )

<b>Element thickness</b>	<b>mm</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>115</b>
Thickness cover panel	mm	5	5	5	5	5	5	5
Thickness thermal insulation	mm	50	60	70	80	90	100	110
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.540</b>	<b>0.458</b>	<b>0.397</b>	<b>0.351</b>	<b>0.314</b>	<b>0.284</b>	<b>0.260</b>
Weight	kg/pc.	6.5	6.6	6.8	6.9	7.0	7.2	7.3
<b>Delivery</b>	Delivery of exact quantity on single-use pallets wrapped with stretch film							
Number of boards per pallet	Pcs.	64	56	48	44	40	36	32
m <sup>2</sup> per pallet	m <sup>2</sup>	46.1	40.3	34.6	31.7	28.8	25.9	23.0

<b>Element thickness</b>	<b>mm</b>	<b>125</b>	<b>135</b>	<b>145</b>	<b>155</b>	<b>165</b>	<b>175</b>	<b>185</b>
Thickness cover panel	mm	5	5	5	5	5	5	5
Thickness thermal insulation	mm	120	130	140	150	160	170	180
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.239</b>	<b>0.221</b>	<b>0.206</b>	<b>0.193</b>	<b>0.181</b>	<b>0.171</b>	<b>0.162</b>
Weight	kg/pc.	7.5	7.6	7.8	7.9	8.1	8.2	8.3
<b>Delivery</b>	Delivery of exact quantity on single-use pallets wrapped with stretch film							
Number of boards per pallet	Pcs.	28	28	24	24	20	20	20
m <sup>2</sup> per pallet	m <sup>2</sup>	20.2	20.2	17.3	17.3	14.4	14.4	14.4